

Lakes

Location: naturalresources\lakes

Description

This polygon layer consists of ponds & other *freshwater* bodies in Bay County, including Deer Point Lake and sometimes-brackish Lake Powell. Contains arc and polygon features. Formerly named **waterbod**.

For lakeshore lines, see **lakes_ln.shp**.

For saltwater, see **saltwater**.

For other freshwater lines, see **creeks**.

For saltwater and county boundary polygons, see **countygulf**.

Source

This layer was created from the **water** layer, part of original base map of Bay County. Original **water** source follows: Camp Dresser & McKee Inc. (GIS consultant for Bay County) was contracted in 1995 by Bay County to provide aerial photography and develop a base map from the photos for all of Bay County. Camp Dresser & McKee Inc. (CDM), in turn, contracted with Aerial Cartographics of America to perform the aerial photography and base map creation. Black and white (1:3000 scale) aerial photography was obtained during the 1995 spring flying season. The aerial photography had an average of 60% forward overlap consisting of approximately eleven flight lines flown north to south. Stereo photographic coverage was obtained for the entire county. The aerial photography was obtained under the direct supervision of a photogrammetrist certified by the American Society of Photogrammetry and Remote Sensing. A set of 9' x 9" photographic prints and diapositives were produced for map production purposes. Twelve GPS horizontal ground control points within the county were obtained; the control point locations are photo identifiable points accessible using a two wheel drive vehicle. The horizontal GPS ground control points were established to an accuracy of second order class II control. All survey work was performed under the direct supervision of a Land Surveyor licensed in the State of Florida. Approximately 140 stereo photographic models were used to create the base map features. The base map compilation consisted of centerline of roadways, centerline of railways, *edge of standing water bodies*, *rivers*, *streams* and major transmission lines. CDM guaranteed the photogrammetric GIS base map shall be on the NAD 83 datum with 90% of the well defined planimetric features located within 5 feet of their true horizontal location and the remaining 10% not in error of more than 10 feet. The final base map digital files were edited and delivered to Bay County in AutoCAD release 12 DWG file format on September 1996 (on CD-ROM). The AutoCAD .dwg files were converted to ESRI coverages on February 1998 using ArcCAD software.

In May 2000, Bay County GIS staff created the polygon coverage **waterbod** in ArcInfo based on the arc coverage **water**. All dangles were deleted countywide without investigation. Some unclosed polygons were inadvertently deleted; Martin Lakes were put back in; in October 2000, most other polygons were put back in, except for those that looked like braided streams. Labels were created in ArcInfo.

In July 2002, the **waterbod** cover was renamed **lakes**. Deleted false water bodies; some were islands in braided-creeks. Fixed areas of error; missing portions of River Lake and Callaway Bayou were added; used **parcels** for the Callaway Bayou error. Also added the **name** item to the polygon feature class and populated it with attributes from the **name** item in the arc feature class. Indicated in **name** item polygons that were islands in lakes. All polygons except lake islands were converted to a polygon shapefile.

This data is provided with the understanding that the conclusions drawn from such information are solely the responsibilities of the user. The GIS data is not a legal representation of the features depicted, and any assumption of the legal status of this data is hereby disclaimed. Errors or omissions should be reported to the Bay County GIS Division 850-784-6171.

Polygon Attribute Table Structure

Item Name	Width	Output	Type	Decimals
gisacres	16	16	N	2
name	50	50	C	-

Arc Attribute Table Structure

Item Name	Width	Output	Type	Decimals
name	50	50	C	-

Attributes

Gisacres

Acres per GIS; **area** / 43560.

Name

Name of water body, if any. Primary source is USGS quad sheets; secondary source is MapSource Street Atlas of Bay County.

In the coverage, (island) indicates polygon is a lake island.